26th Annual Short Course on Experimental Models of Human Cancer

August 12 – 19, 2017
Bar Harbor, ME

Event Schedule
For more information, please contact Erin McDevitt: erin.mcdevitt@jax.org

Saturday, August 12, 2017

Event Location – The Jackson Laboratory, 600 Main Street

4:00pm – 4:45pm Course Registration

4:45 pm – 5:00pm Welcome & Introduction, Karolina Palucka, M.D., Ph.D.

5:00pm – 6:00pm Mario Sznol, M.D. - Keynote Lecture “Clinical Challenges for Immunotherapy of Cancer”

6:00pm – 7:00pm Social Hour – Roscoe’s Dining Room

7:00pm Dinner – Roscoe’s Dining Room

Sunday, August 13, 2017
THEME: COMPUTATIONAL MODELS & SYSTEMS BIOLOGY

Event Location – The Jackson Laboratory, 600 Main Street

8:30am – 9:30am Roel Verhaak, Ph.D. – Lecture “Cancer Genomics”

9:30am – 10:30am Ed Liu, M.D. – Lecture “Cancer Functional Genomics”

10:30am – 11:00am Break

11:00am – 12:00pm Carlo Croce, M.D. – Lecture “MicroRNAs in Cancer Cell Biology and Treatment Response”
12:00pm – 1:00pm  Lunch – *Roscoe’s Dining Room*

1:00pm – 3:00pm  Carol Bult, Ph.D. – Workshop
“*Computational Biology*”

3:00pm- 3.30pm  Break

3:30pm – 4:30pm  Elaine Mardis, Ph.D. – Speaker
“*Mouse ImmunoGenomics*”

4:30pm – 5:30pm  Paul Spellman, Ph.D. – Lecture
“*Monitoring tumor response and evolution using cell free DNA*”

*Event Location – The Bar Harbor Club – 111 West Street*

6:00pm  Happy Hour

7:00pm  Dinner

8:00pm  Charles Lee – Evening Lecture
“*Structural genomic variation and its role in disease*”

**Monday, August 14, 2017**
THEME: MOUSE MODELS

*Event Location – The Jackson Laboratory, 600 Main Street*

Free morning

9:30am – 10:30am  Carol Bult, Ph.D. – Lecture
“*Patient Derived Xenografts (PDX): a platform for preclinical cancer research*”

10:30am – 11:00 am Break

11:00am – 12:00pm  Thomas Look, M.D. - Lecture
“*Zebrafish model of human cancer*”

12:00pm – 1:00pm  Lunch – *Roscoe’s Dining Room*

1:00pm – 2:00pm  Pier Paolo Pandolfi, M.D., Ph.D. – Lecture
“*Mouse Models of Human Cancer*”

2:00pm – 4:00pm  Bonnie Lyons, DVM – Workshop
“*Xenotransplantation Techniques in the Mouse*”
*Sign Up Required*

Jeff Chuang, Ph.D. - Workshop
“*Computational approaches to PDX data*”
*Sign Up Required*
4:00pm – 4:30 pm   Break

4:30pm – 6:00pm   Ronald Germain, M.D., Ph.D. - Keynote Lecture
"Imaging Immunity: Developing a Spatiotemporal Understanding of Host Defense and the Response to Tumors"

**Tuesday, August 15, 2017**
**THEME: MOUSE MODELS**

*Event Location – Highseas Conference Center*

9:00am – 1:00pm   Nature workshop with editors

1:00pm – 2:00pm   Lunch – Highseas Conference Center

*Event Location – The Jackson Laboratory, 600 Main Street*

2:00pm – 3:00pm   Ching Lau, M.D., Ph.D. – Lecture
"PDX Models of Pediatric Tumors"

3:00pm-4:00pm   Lenny Shultz, Ph.D. – Lecture
"Immunodeficient Mice and Their Use to Model Human Cancer and Immune System Interactions"

4:30pm   Break

5:00-6:00pm   Mikala Egeblad, Ph.D. - Lecture
"Overview of the role of the Tumor Microenvironment and Intravital Imaging of the Effects of the Tumor Microenvironment"

*Event Location – The Bar Harbor Club, 111 West Street*

6:00pm – 9:00pm   Happy Hour & Buffet Dinner
*Poster Session with JAX Cancer Center*

**Wednesday, August 16, 2017**
**THEME: MODELS OF THE TUMOR MICROENVIRONMENT**

*Event Location – The Jackson Laboratory, 600 Main Street*

8:30am – 9:30am   Olga Anczukow, Ph.D. – Lecture
"RNA Splicing and In Vitro Cancer Models"

9:30am – 10:30am   David Tuveson, M.D., Ph.D. – Lecture
"Organoids"

10:30am – 11:00am   Break

11:00am – 12:00pm   Nicholas Navin, Ph.D. – Lecture
"Single Cell Genomics"
12:00pm – 1:00pm   Lunch – Roscoe’s Dining Room

1:00pm – 3:00pm   Philipp Henrich, Ph.D. – Workshop
   “Modern Microscopy and Tissue Analysis”
   Paul Robson, Ph.D. & Nicholas Navin, Ph.D. – Workshop
   “Single Cell Genomics”

3:00pm – 5:00pm   Philipp Henrich, Ph.D. – Workshop
   “Modern Microscopy and Tissue Analysis”
   Paul Robson, Ph.D. & Nicholas Navin, Ph.D. – Workshop
   “Single Cell Genomics”

5:00pm – 6:00pm   Lisa Coussens, Ph.D. – Lecture
   “In Vivo Models of Tumor Microenvironment”

Event Location – The Bar Harbor Club, 111 West Street

6:00pm – 7:00pm   Happy hour

7:00pm   Lobster Dinner with Cancer Center Faculty

8:00pm – 9:00pm   James Allison, Ph.D. – Evening Keynote Lecture
   “Immune Checkpoint Blockade in Cancer Therapy: Insights, Opportunities, and
   Prospects for Cures”

Thursday, August 17, 2017
THEME: MODELS INFLAMMATION

Event Location – The Jackson Laboratory, 600 Main Street

8:30am – 9:30am   Nadia Rosenthal, Ph.D., F.Med.Sci – Lecture
   “Biology of Tissue Regeneration”

9:30am – 10:30am   Julia Oh, Ph.D. – Lecture
   “Microbiome and inflammation” (tentative title)

10:30am – 11:00am   Break

11:00am – 12:00pm   Melody Swartz, Ph.D. – Lecture
   “Lymphatic Vessels in Regulation of Immune Responses”

12:00pm – 1:00pm   Lunch – Roscoe’s Dining Room

1:00pm – 2:00pm   Christine Moussion, Ph.D. – Lecture
   “Leukocyte migration from steady-state to tumor”

2:00pm – 3:00pm   Virginia Pascual, M.D. – Lecture
   “DNA and RNA Sensing as Drivers of Inflammation”
3:00pm – 3:30pm  Break

3:30pm – 4:30pm  Derya Unutmaz, MD – Lecture
                     “Human T cell subsets”

4:30pm – 5:30pm  Padmanee Sharma, M.D., Ph.D. – Lecture
                     “From the clinic to the lab: Investigating response and resistance mechanisms
to immune checkpoint therapy”

Event Location – The Bar Harbor Club, 111 West Street

6:30pm – 8:00pm  Dinner with Patient Advocates Dinner Hosted by Joanne Goodnight

Friday, August 18, 2017
THEME: IMMUNE RESPONSE

Event Location – The Jackson Laboratory, 600 Main Street

8:30am – 9:30am  Jacques Banchereau, Ph.D. – Lecture
                     “Immunogenomics”

9:30am – 10:30am Madhav Dhodapkar, MD – Lecture
                     “Origins and evolution of myeloma- Insights from host response and new
models”

10:30am – 11:00am Break

11:00am – 12:00pm Irving Weissman, MD – Keynote Lecture
                     “Stem Cells”

12:00pm – 1:00pm  Lunch with Cancer Center Postdocs – Roscoe’s Dining Room

1:00pm – 4:00pm  James Miller – Workshop
                     “Necropsy” (plus one from group)
                     Derya Unutmaz, Ph.D. & Will Schott
                     “Flow cytometry workshop”

4:00pm – 5:00pm  Frank Slack, Ph.D. – Lecture
                     “RNA Biology in Cancer”

5:00pm – 6:00pm  Kavita Dhodapkar, MD
                     “Immunotherapy of pediatric cancer”

Event Location – The Bar Harbor Club, 111 West Street

7:00 pm  Dinner with Maine Oncologists/Genomics Initiative Hosted by: Jens Rueter, M.D.
Saturday, August 19, 2017
THEME: MODELS STEM CELLS

Event Location – The Jackson Laboratory, 600 Main Street

8:30am – 9:30am  Rakesh Jain, Ph.D. – Lecture
“Reengineering the Tumor Microenvironment to Improve Cancer Treatment: Bench to Bedside”

9:30am – 10:30am  Kevin Mills – Lecture
“DNA Repair and Synthetic Lethal Therapies”

10:30am – 11:00am  Break

11:00am – 12:00pm Jennifer Trowbridge, Ph.D. – Lecture
“Genomics and Epigenetics of Hematopoietic Stem Cells”

12:00pm – 1:00pm  Lunch Career Meeting – Roscoe’s Dining Room

1:00pm -2:00pm  Sheng Li, Ph.D. – Lecture
“Epigenome dynamics of blood cancers”

2pm  Adjourn